



# FACT SHEET



JNTF Fact Sheet 98-022

## *BMD Joint Technical Architecture - Compliance Engineer (BMD JTA-CE)*

### INTRODUCTION

The Ballistic Missile Defense Joint Technical Architecture-Compliance Engineer (BMD JTA-CE) was established by the Ballistic Missile Defense Organization (BMDO) as a direct result of the 22 August 1996 mandate from the Office of the Undersecretary of Defense for Acquisition and Technology (USD[A&T]) to implement the DoD Joint Technical Architecture (JTA). On 2 December 1996, the Director BMDO identified the Joint National Test Facility (JNTF) at Schriever Air Force Base, CO, as the BMDO Compliance Engineer (BMDO CE). The Commander JNTF is designated the BMDO CE for JTA Implementation. The Commander is supported in this role by government and contractor personnel referred to as the BMD JTA-CE team.

In a related but separate effort, this organization supports JTA implementation activities for the Office of the Assistant Secretary of Defense (OASD) for Command, Control, Communications and Intelligence (C3I). Tasks include the JTA Implementation Guide, JTA Virtual Library, JTA Web Site and Documentation, Management Process Guidelines, and Secretariat duties for the Technical Architecture Steering Group (TASG) and Architecture Coordination Council (ACC).

### MISSION

The mission of the BMD JTA-CE is to facilitate joint interoperability among DoD programs and systems, and between those programs and systems and the communications networks, sensors, weapons platforms, and C4I elements with which they interface.

### SPECIFIC TASKS

- Assist BMD Program Offices
- Perform Compliance Engineering Evaluations
- Coordinate Compliance Engineering Activities with Program Offices and Standards Bodies
- Track JTA Implementation Progress and Issues
- Support OASD (C3I) JTA implementation

### ORGANIZATION

BMD JTA-CE is organized along JTA functional areas:

- Information Processing
- Information Transfer
- Information Security
- Data Modeling and Standards
- Human Computer Interface
- Emerging Standards

### THE TEAM

The members of the BMD JTA-CE team possess both military operational experience and technical acumen. Current team members average 20 years of service with joint and combined military experience in operational areas such as air defense, aviation, and communications. Members have advanced degrees in disciplines such as physics, electrical engineering, telecommunications, and computer science. This group is enthusiastically mission oriented with insight and the ability to coordinate issues at programmatic and technical levels.

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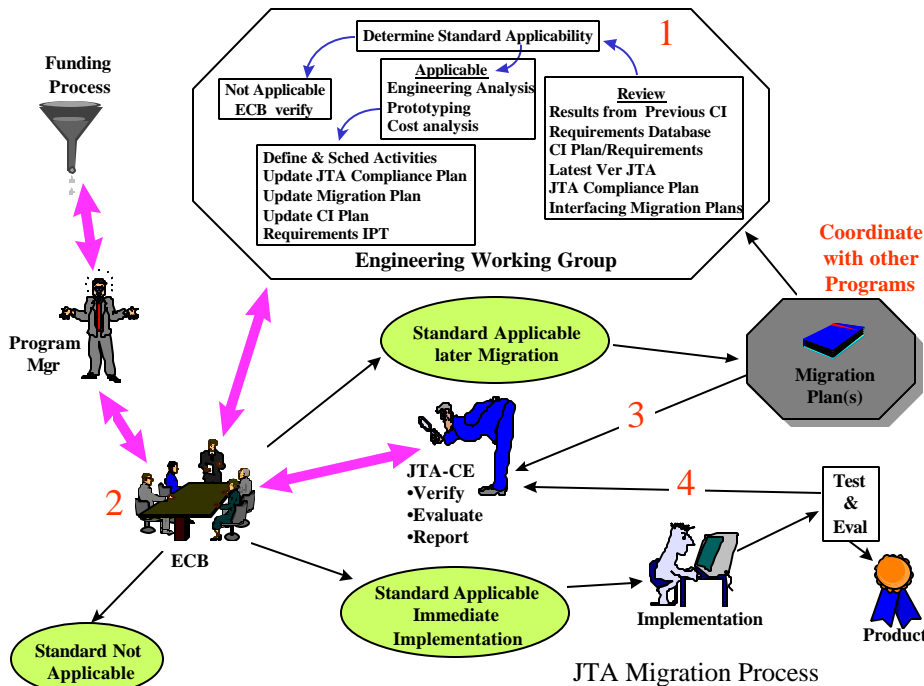
### WHERE WE FIT IN

The BMD JTA-CE team interacts at several levels within the BMDO: (1) at the engineering level as programmatic and technical advisors on JTA compliance; (2) at the Program Management (PM) level to provide feedback to the PM regarding the status of compliance; (3) as an evaluator for the acquisition authority; and (4) as advisors and liaison to interfacing systems developers and JTA compliance organizations outside of the BMDO.

## ACTIVITIES

The following activities have been accomplished since the BMD JTA-CE was activated:

- Developed methodologies for compliance engineering processes
- Participated in JTA Development Group and related engineering sub-groups
- Developed a Compliance Analysis Management Planner (CAMP) to assist in development and collection of JTA Migration Plans from BMD Program Offices
- Obtained OSD sponsorship for a JTA Conference at the JNTF with a theme of Compliance Engineering
- Developed the JTA Virtual Library
- Developed syllabi for two levels of JTA instruction
- Developed the BMD JTA-CE Web Page



- 1- In the early stages of the Engineering Process, the BMD JTA-CE will provide assistance in reviewing designs, and JTA Compliance and Migration Plans to avoid costly and time consuming redesign and development.
- 2- Advise Engineering Control Boards (ECB) regarding standards implementation.
- 3- When an ECB has declared a standard applicable, but to be implemented at a later date, the BMD JTA-CE will review and evaluate migration plans, provide their findings to the ECB, and assist in the synchronization of these plans with those of organizations outside the BMDO.
- 4- When the ECB has declared a standard applicable for immediate implementation, the BMD JTA-CE will review migration plans of interfacing systems to identify potential interoperability issues and implementation time frames.

JTA COMPLIANCE ENGINEERING ROLE IN THE ENGINEERING PROCESS

